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[Continued on next page]

(54) Title: METHODS AND MATERIALS RELATING TO NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES

BLASTP ALIGNMENT OF CEA-LIKE POLYPEPTIDE (SEQ ID NO: 3) WITH
MOUSE CEA-RELATED CELL ADHESION MOLECULE 1 (SEQ ID NO: 12)

Query: CEA-like polypeptide (SEQ ID NO: 3)

Subject: gi|13937381 ref|NP_036056.1| (NM_011926) CEA-related cell adhesion molecule 1 (SEQ ID NO: 13); mouse hepatitis virus receptor; biliary glycoprotein carcinoembryonic antigen 7; carcinoembryonic antigen 1 [Mus musculus] >emb|CAA47700.1| (X67283) biliary glycoprotein [Mus musculus]

Length = 341

Score = 204 (76.9 bits), Expect = 8.6e-16, P = 8.6e-16
Identities = 54/168 (32%), Positives = 85/168 (50%)

Query: 73 RDKPVTVVQSIGTEVIGTLR---PDYRDRIRLFENGSLLLSDLQLADEGTYEVEISITD 128
+ PV+ I V GT + P + R ++ NGSLL+ + + D G Y +E+ TD
Sbjct: 69 KGNPVSTNAEIVHFVGTNKTITGPAHSGRETVYSNGSLLIQRVTVKDTGVYTIEM--TD 126

Query: 129 DTFTG-BKTINLTVDVPISRPQVLVASTTVLELSEAFTLNCSHENGTKPSYTWLKDGPL 187
+ F B T+ V P++P + V +TTV EL ++ TL C N + WL + + L
Sbjct: 127 ENFRRTEATVQFHVRQPVTPSLQVTNTTVKEL-DSVLTCL-SNDIGANIQWLFNSQSL 184

Query: 188 LNDSRMLLSPDQKVLTIRVLMEDDDLYSCMVENPISQGRSLPVKITV 235
RM LS + +L I + ED Y C + NP+S RS +K+ +
Sbjct: 185 QLTERMTLSQNNISLRIDPIKREDAGEYQCEISNPVSVKRSNSIKLDI 232

WO 2004/007672 A2

(57) Abstract: The invention provides novel polynucleotides and polypeptides encoded by such polynucleotides and mutants or variants thereof that correspond to the novel polynucleotides and polypeptides. Other aspects of the invention include vectors containing processes for producing novel polypeptides, and antibodies specific for such polypeptides.



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